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# NUMBERS & ODDITIES #
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-::: N&O # 50 - June 2002 :::-

Yes, I had a great vacation, thank you very much :-) I have just returned, hence a short N&O this month.

Due to PC problems N&O was somewhat delayed. I've got it up and running again (sort of), so let's get started.

* VOICE STATIONS *

::: E03 - LINCOLNSHIRE POACHER

Andrew Jones writes in an enthusiastic report: "The first time I've ~~ever~~ heard a spy station!" and reports E03 on 6959 kHz.

Great, Andrew! Welcome to the club :-) If you need info about numbers stations be sure to check out the Numbers & Oddities website. You will find all the N&O issues there as well as the ENIGMA newsletters, sound samples, frequency lists and lots of links to other numbers related websites. <http://home.luna.nl/~ary>

Al compiled the Lincolnshire Poacher id's for the analysts.

First half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	61486	61486	61486	61486	61486	61486	61486	1200
1300	83386	83386	83386	83386	83386	83386	83386	1300
1400	73741	90471	39701	39557	61486	80871	66705	1400
1500	66705	73741	90471	39701	39557	61486	32171	1500
1600	32171	66705	73741	90471	39701	39557	80871	1600
1700	80871	32171	66705	73741	90471	39701	61486	1700
1800	61486	80871	32171	66705	73741	90471	39557	1800
1900	39557	83386	80871	83386	66705	73741	83386	1900
2000	83386	61486	83386	32171	83386	66705	39701	2000

2100	39701	39557	61486	80871	32171	83386	90471	2100
2200	90471	39701	39557	61486	80871	32171	73741	2200

Second half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	12937	12937	12937	12937	12937	12937	12937	1200
1300	47529	47529	47529	47529	47529	47529	47529	1300
1400	50426	88548	92839	95700	12937	96523	17501	1400
1500	17501	50426	88548	92839	95700	12937	70820	1500
1600	70820	17501	50426	88548	92839	95700	96523	1600
1700	96523	70820	17501	50426	88548	92839	12937	1700
1800	12937	96523	70820	17501	50426	88548	95700	1800
1900	95700	47529	96523	47529	17501	50426	47529	1900
2000	47529	12937	47529	70820	47529	17501	92839	2000
2100	92839	95700	12937	96523	70820	47529	88548	2100
2200	88548	92839	95700	12937	96523	70820	50426	2200

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::: E10 - ISRAELI INTELLIGENCE

As usual lots of E10 activity was noted, amongst them only one oddity this time: callsign FDU popped up on 6210 kHz on 5 and 6 June. Manolis from beautiful Crete reports three FDU call ups: FDU4, FDU1 and FDU5. Manolis sent me short MP3 samples of FDU4 and FDU5 which are available from the N&O website.

The first appearance of FDU was logged on 5 June at 1652 till 1653 UTC on 6210 kHz, calling FDU1.

The next day, 6 June, brought two new ones on the same frequency. This time at 1608 till 1613 UTC, calling FDU4. At 1700 till 1703 UTC it had changed to "FDU5".

E10 used the following frequencies in May and June:

- Schedules at h00 and h30:

ART 3415, 5435, 6986
 EZI 9130, 11565, 13533, 17410, 19715, 23740
 FTJ 2626, 4461, 7322, 7358
 JSR 5091, 7540
 PCD 3150, 4270, 6498, 8805
 ULX 2743, 4880, 6270, 7760
 YHF 3840, 4560, 5820, 7918, 9202, 10648

- Schedules at h15 and h45:

CIO 4360, 5339, 6912, 9202

KPA 5230, 12376, 18178, 20740
MIW 4165, 6370, 7445
SYN 4780, 7605
VLB 4015, 5170, 6930, 8025

- Other times:
ABC 6428 and less frequently 14000. From ca 1545 till 2100 UTC.
Often noted to continue till well after 2300 UTC.
FDU 6210 Rare call. See above.

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::: V09 - GUANGHZOU

Heard on 6885 kHz at 1400 UTC on 26-6.

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::: V13 - NEW STAR

Robert Fei has just finished the webpage for "New Star" and is working on a page for Chinese numbers stations:

<http://www.geocities.com/hfasia/files/New-Star.html>

The current frequencies for New Star are:

8300 kHz Station #4
9725 kHz Station #3
11430 kHz Station #1
13750 kHz Station #2

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::: UNID

An unid Chinese numbers station was copied by Robert Fei on 7770 kHz on 16 June. "It sounded different from the others", he said.

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* MORSE STATIONS *

::: M16

8BY, the French DGSE related station is still very much alive and kicking on 7667, 10248 and 14931 kHz.

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::: M18

M18 is sometimes heard on 4503 kHz. Not often reported these days.

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::: M23

"Hi", says Costas. "Today (16 June) ENIGMA M23 appeared on 20m SSTV calling channel with a null message. Here is the log:

14230 UNID: ENIGMA M23, CW, 1800, rpt "310" for 10 mins then
s/off, 16/Jun/2002."

ENIGMA's Mike L comments: "It's been here, on and off, for some time. (See ENIGMA 2000 Newsletter Issue 10) But this one looks like an additional sked. One SSTV pic had "Who is the CW station?" overwritten on it."

This month's M23 reports:

6797.5 0500 555 (R10)
7960 0200 310 (R10)
11170 2000 160 (R10)
11020 0100 310 (R10)
10250 0100 310 (R10)
7960 0200 310 (R10)
11020 0100 310 (R10)
7960 0200 310 (R10)
11018 1700 310 (R10)
14230 1800 310 (R10)

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::: M40

Igor's his listening post is near the Russian/Mongolian/Chinese border and is perfect to monitor Chinese and other Asian activities. Here is a sample:

5585 kHz, 1600 UTC, 24 May 2002.

vvv cq796,31t (R5)
vvv cq31t cq31t cq31t
hr hr 3t 3t = =
32368 65185 95619 26467 41546 645tt 89579 15797 39758 4658t

2t552 25535 9tt24 88131 7t546 9t57t t3679 12t88 68829 75917
29743 9tt28 8611t 95537 71925 897t7 6t672 61399 73351 11292
ar ar

rpt rpt
vvv cq31t cq31t cq31t
hr hr 3t 3t = =
32368 65185 95619 26467 41546 645tt 89579 15797 39758 4658t
2t552 25535 9tt24 88131 7t546 9t57t t3679 12t88 68829 75917
29743 9tt28 8611t 95537 71925 897t7 6t672 61399 73351 11292
ar ar sk sk

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::: M51

Although not as frequent as a couple of years ago, M51 logs pop up every now and then. Here is one logged on 13 June by Jim:
3643 kHz, 1946 UTC, NR 26 J 03 21:45:48 2002 = SJMJU VNXMP...(5LGs)

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::: M87

6815 kHz, 1500 UTC, 27 May 2002.

... 486 486 486 000 000
486 486 486 486 000 000
486 486 486 486 000 000
486 486 486 000 000
486 486 486 000 000 TTT

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::: UNID STATIONS

3 unids from Jim:

3183.5 kHz, 2137 UTC, 9 June:
Irregular variable length figure groups. Fairly fast.
e.g. 5344 8701 756 954 746 8702 756 922846...

7657 kHz, 1622 UTC, 14 June:
749 749 749 1 then fast 5FGs

8006 kHz, 1846 UTC, 7 June:
412 412 412 96670 96670 repeated

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::: RUSSIAN MILITARY STATIONS

Our correspondent from Arizona, John, logged again a lot of Russian military stations this month:

Active frequencies: 3261, 3830, 3832, 3835, 6767, 11019, 14108 kHz.

Callsigns include:

1KDE, 5TAC, 5UVZ, 5XBP, 7K4R, 7OLW, 9BNW, A9NZ, AAXQ, ALGN, BRIE, C68A, D7D3, DDCP, DJKA, DYSJ, F5XW, F92V, FWZ7, G2ZJ, H2PF, I4KB, I7X8, IXAP, IY4B, IYN1, JCYZ, KD6M, KI4G, KK8P, KLDK, KQ1S, KSPD, LHSE, NO8T, OBAO, PV8Z, Q3V8, SROL, TK03, TOTS, VB1G, VMIR, VZYW, WG8W, X9TD, XANS, XEMN, YCCS, YCMR, YQMI, ZKPZ, ZMDC, ZPCV, 8XZS, KIX4, DYSJ, 5MX6, SV6P, GA3Y, DQG9, 5EV5, Q3H4, AUHL, 9L5Q, BIQ5, ARFP, XPSR, K3LH, M2W8, QWD1, IZYH, VZMF, QSLK, 7C5H, DYSJ, DQG9, 5EV5, Q3H4, AUHL, GA3Y, IXAP, DJKA, SROL, VMIR, 9D4E, AAXQ, DYSJ, 7VLN, GA3Y, DQG9, HEV5, Q3H4, AUHL, Q3V8, SV6P.

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* OTHER MODES *

::: FAPSI [M42 / X06]

A couple of European logs from Leif and myself. No logs from the Americas.

9200 FAPSI, 2026, Mazielka call

9244 FAPSI Moscow, BAUDOT 201.68Bd 500Hz, auto broadcast traffic to UNID recipient, 20FGs

11069 FAPSI Moscow, BAUDOT 201.68Bd 500Hz, auto broadcast traffic to UNID recipient, 20FGs

18920 Dep. of State Comms Moscow, 1050, mazielka call

18922 Dep. of State Comms Moscow, 1053, MFSK-32/CROWD36, link 90006

20437 Dep. of State Comms Moscow, 1038, mazielka call

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::: XSL - Slot Machine

First time contributor Robert Fei checks in with an interesting note. Welcome to N&O, Robert!

We already knew that the Slot Machine transmits from the Far East. Robert thinks that the signals actually originate from Japan. He says "If you compare the frequencies used by the Japanese 8-tone ASK modem: 4152.5 4294.5 6249.5 6392.5 8312.5 8551 12384.5 12924 and 16553.5 kHz. You will find that some of them have been replaced by the "Slot Machine" which operates on the following frequencies: 4231 4290.5 6416.5 6444.5 8587.5 8703.5 4152.5 6249.5 8312.5 kHz. By the way, this "machine" could be sort of PSK or QAM modulated according to it's FFT spectrum during the traffic mode. Detailed FFT can be found at <http://www.geocities.com/hfasia/files/Japanese-PSK.html>"

Interesting. The 8-tone modem is thought to be operated by the Japanese navy. Is this a step in the right direction to solve this unid? Any thoughts or further info is most welcome, folks.

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★ INTELLIGENCE NEWS ★

::: USA

The following are excerpts from the manuscript from the White House about the proposed new intelligence agency "Department of Homeland Security". You can download the complete manuscript from this site: <http://www.fas.org/irp/news/2002/06/book.pdf>

President Bush proposes to create a new Department of Homeland Security, the most significant transformation of the U.S. government in over a half-century by largely transforming and realigning the current confusing patchwork of government activities into a single department whose primary mission is to protect our homeland. The creation of a Department of Homeland Security is one more key step in the President's national strategy for homeland security.

Immediately after last fall's attack, the President took decisive steps to protect America ñ from hardening cockpits and stockpiling vaccines to tightening our borders. The President used his maximum legal authority to establish the White House Office of Homeland Security and the Homeland Security Council to ensure that our federal response and protection efforts were coordinated and effective. The President also directed Homeland Security Advisor Tom Ridge to study the federal government as a whole to determine if the current structure allows us to meet the threats of today while anticipating the unknown threats of tomorrow. After careful study of the current structure ñ coupled with the experience gained since September 11 and new information we have learned about our enemies while fighting a war ñ the President concluded that our nation needs a more unified homeland

security structure. In designing the new Department, the Administration considered a number of homeland security organizational proposals that have emerged from outside studies, commissions, and Members of congress.

The Department of Homeland Security would make Americans safer because our nation would have:

- One department whose primary mission is to protect the American homeland;
- One department to secure our borders, transportation sector, ports, and critical infrastructure;
- One department to synthesize and analyze homeland security intelligence from multiple sources;
- One department to coordinate communications with state and local governments, private industry, and the American people about threats and preparedness;
- One department to coordinate our efforts to protect the American people against bio-terrorism and other weapons of mass destruction;
- One department to help train and equip for first responders;
- One department to manage federal emergency response activities; and
- More security officers in the field working to stop terrorists and fewer resources in Washington managing duplicative and redundant activities that drain critical homeland security resources.

The Department of Homeland Security would have a clear and efficient organizational structure with four divisions:

- Border and Transportation Security
- Emergency Preparedness and Response
- Chemical, Biological, Radiological and Nuclear Countermeasures
- Information Analysis and Infrastructure Protection

The planning process for the new Department has already begun. During this period, the Office of Homeland Security will maintain vigilance and continue to coordinate the other federal agencies involved in homeland security. Until the Department of Homeland Security becomes fully operational, the proposed Department's designated components will continue to operate under existing chains of command.

The formal transition process would begin once Congress acts on the President's proposal and the President signs it into law. Under the President's plan, the new Department would be established by January 1, 2003, with integration of some components occurring over a longer period of time. To avoid gaps in leadership coverage, the President's proposal contemplates that appointees who have already been confirmed by the Senate would be able to transfer to new positions without a second confirmation process.

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::: CHINA / USA

U.S. intelligence has found that China's military provided training for Afghanistan's Taliban militia and elements of al Qaeda before the September 11 attacks on the United States, reports Bill Gertz in the Washington Times.

The training of the Taliban forces was carried out in cooperation with Pakistan's ISI intelligence service, defense officials told the Times. The report, and others like it, is unwelcome news for some of the pro-China analysts within the U.S. government who are pushing the Bush administration to adopt a more conciliatory posture toward the communist government in Beijing. In addition, evidence of Chinese military backing for the Taliban continues to surface. Late last month, U.S. Army Special Forces troops discovered 30 Chinese-made SA-7 surface to-air missiles in southeastern Afghanistan. Still other intelligence reports have indicated the Chinese shipped missiles to the Taliban after September 11.

[source: China Reform Monitor No. 452, June 26, 2002.
American Foreign Policy Council, Washington, D.C.]

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* LOGS SECTION *

2626	E10	Israeli Intel. FTJ2 AM 27-06-02 Thu 2300 (AB)
2852		Czech or Slovak mil calling R9L4 CW 01-06-02 Sat 2225
3150	E10	PCD2 USB 31-05-02 Fri 1800 (TI)
3150	E10	Israeli Intel. PCD2 AM 27-06-02 Thu 2300 (AB)
3195	MX	Channel marker R, Izhevsk CW 29-06-02 Sat 2059 (AB)
3344	MX	Channel marker L, St. Petersburg CW 29-06-02 Sat 2110
3415	E10	Israeli Intel. ART AM 27-06-02 Thu 2300 (AB)
3415	E10	Israeli Intel. ART AM 30-06-02 Sun 1900 (AB)
3643	M51	French intel/mil. NR 26 J 21:45:48 2002 = 5LGs CW 03-06-02 1946 (RGA)
3756	S30	the Pip CW 29-06-02 Sat 2056 (AB)
3828	XSW	Squeaky Wheel channel marker AM 29-06-02 Sat 2053 (AB)
3830		Russian military stations (see morse section) CW 26-06-02 Wed 2347 (JC5)
3832		Russian military stations (see morse section) CW 26-06-02 Wed 0003 (JC5)
3835		Russian military stations (see morse section) CW 23-06-02 Sun 2125 (JC5)
3926.0	M08a	ID 13482 68611 ----- CW 05-06-02 Wed 1000 (MS)

3926.0	M08a	ID 00361 ----- (in progress) CW 07-06-02 Fri
4015	E10	VLB2 //6930 5170 USB 27-05-02 Mon 1746 (TI)
4015	E10	Israeli Intel. VLB2 AM 27-06-02 Thu 2245 (AB)
4016.0	M08a	ID 43191 16515 08103 (repeat of 0200z on 5762m) CW
		01-06-02 Sat 0300 (MS)
4016.0	M08a	ID 53093 46763 87773 CW 03-06-02 Mon 1000 (MS)
4016.0	M08a	ID 08901 35153 53843 (repeat of 0200z on 5419m) CW
		08-06-02 Sat 0300 (MS)
4026	M08a	UNNDU RNW NWANU + 5LGs CW 28-06-02 Fri (RC)
4027.0	M08a	(in progress, missed callups because signal is mixed
		with another M8a xmsn - gar CW 05-06-02 Wed 0400 (MS)
4027.0	M08a	ID 58111 70132 25121 (repeat of 0200z on 5116m) CW
		07-06-02 Fri 0300 (MS)
4028.0	V02a	ID 54712 24012 08382 (YL/SS) USB 08-06-02 Sat 0300
4152.5	XSL	Slot Machine (RF)
4165	E10	Israeli Intel. MIW2 AM 27-06-02 Thu 2315 (AB)
4206	V02a	Strong signal AM 10-06-02 Mon 0300 (RC)
4231	XSL	Slot Machine (RF)
4270	E10	Israeli Intel. PCD AM 30-06-02 Sun 1830 (AB)
4290.5	XSL	Slot Machine (RF)
4329.0	V02a	(in progress, missed callups) USB 05-06-02 Wed 0400
4331	M22	4XZ. Israeli navy Haifa. VVV marker CW 30-06-02 Sun
		1905 (AB)
4360	E10	Israeli Intel. CI02 AM 25-06-02 Tue 2045 (AB)
4360	E10	Israeli Intel. CI02 AM 27-06-02 Thu 2245 (AB)
4360	E10	Israeli Intel. CI02 AM 30-06-02 Sun 1845 (AB)
4461	E10	USB 27-05-02 Mon 1747 (TI)
4461	E10	FTJ2 USB 27-05-02 Mon 1801 (TI)
4461	E10	Israeli Intel. FTJ2 AM 27-06-02 Thu 2300 (AB)
4461	E10	Israeli Intel. FTJ2 AM 30-06-02 Sun 1830 (AB)
4478.0	M08a	ID 35513 ----- (in progress) CW 08-06-02 Sat
4479.0	V02a	(in progress, missed callups) USB 05-06-02 Wed 0300
4479.0	V02a	Spanish-very weak USB 11-06-02 Tue 0330 (MMC)
4506.0	M08a	ID 43192 01472 53841 (repeat of 0200z on 5758m) CW
		02-06-02 Sun 0300 (MS)
4506.0	M08a	ID 08902 98883 83171 (repeat of 0200z on 5758m) CW
		09-06-02 Sun 0300 (MS)
4560	E10	USB 31-05-02 Fri 1731 (TI)
4560	E10	Israeli Intel. YHF2 AM 23-06-02 Sun 2130 (AB)
4596.0	M08a	ID 85911 35151 42692 (repeat of 0200z on 5758m) CW
		05-06-02 Wed 0300 (MS)
4625	S28	the Buzzer AM 15-06-02 Sat 1857 (TI)
4780	E10	USB 15-06-02 Sat 1847 (TI)
4780	E10	Israeli Intel. SYN2 AM 27-06-02 Thu 2245 (AB)
4880	E10	Israeli Intel. ULX AM 23-06-02 Sun 2130 (AB)
4880	E10	Israeli Intel. ULX AM 27-06-02 Thu 2300 (AB)
4880	E10	Israeli Intel. ULX AM 30-06-02 Sun 1830 (AB)
4881	E10	ULX2 USB 27-05-02 Mon 1801 (TI)

4905	M01	025-214/24=96279 no EoM CW 27-06-02 Thu 2000 (HFD)
5091	E10	JSR USB 27-05-02 Mon 1631 (TI)
5091	E10	JSR //7540 USB 27-05-02 Mon 1702 (TI)
5091	E10	JSR USB 27-05-02 Mon 1802 (TI)
5091	E10	Israeli Intel. JSR2 AM 30-06-02 Sun 1830 (AB)
5116.0	M08a	ID 58111 70132 25121 CW 07-06-02 Fri 0200 (MS)
5159	M22	4XZ. Israeli navy Haifa. VVV marker CW 30-06-02 Sun 1740 (AB)
5170	E10	VLB2 //6930 USB 27-05-02 Mon 1646 (TI)
5170	E10	VLB2 //6930 4015 USB 27-05-02 Mon 1748 (TI)
5170	E10	VLB2 USB 31-05-02 Fri 1746 (TI)
5170	E10	VLB2 //6930 USB 15-06-02 Sat 1847 (TI)
5170	E10	VLB2 //6930 USB 16-06-02 Sun 1645 (TI)
5170	E10	Israeli Intel. VLB2 AM 23-06-02 Sun 1947 (AB)
5170	E10	Israeli Intel. VLB2 AM 25-06-02 Tue 2045 (AB)
5170	E10	Israeli Intel. VLB2 AM 27-06-02 Thu 2245 (AB)
5172	M13	134 CW 20-06-02 Thu 2100 (HFD)
5230	E10	KPA2 USB 27-05-02 Mon 1717 (TI)
5230	E10	KPA2 USB 27-05-02 Mon 1816 (TI)
5230	E10	KPA2 USB 31-05-02 Fri 1817 (TI)
5230	E10	Israeli Intel. KPA2 AM 27-06-02 Thu 2315 (AB)
5280	M01	025-03#/26=1#7#0 no EoM CW 27-06-02 Thu 1800 (HFD)
5339	E10	CI02 //6912 USB 27-05-02 Mon 1647 (TI)
5339	E10	CI02 //6912 USB 27-05-02 Mon 1748 (TI)
5339	E10	CI02 USB 31-05-02 Fri 1746 (TI)
5339	E10	CI02 //6912 USB 15-06-02 Sat 1847 (TI)
5339	E10	CI02 //6912 USB 16-06-02 Sun 1645 (TI)
5339	E10	Israeli Intel. CI02 AM 23-06-02 Sun 1946 (AB)
5339	E10	Israeli Intel. CI02 AM 25-06-02 Tue 2045 (AB)
5339	E10	Israeli Intel. CI02 AM 27-06-02 Thu 2245 (AB)
5339	E10	Israeli Intel. CI02 AM 30-06-02 Sun 1845 (AB)
5373	S21	973 LSB/RCS weak AM 11-06-02 Tue 1742 (HFD)
5419.0	M08a	ID 43191 16515 08103 CW 01-06-02 Sat 0200 (MS)
5419.0	M08a	ID 85912 35152 12782 CW 06-06-02 Thu 0300 (MS)
5419.0	M08a	ID 08901 35153 53843 CW 08-06-02 Sat 0200 (MS)
5435	E10	ART USB 26-05-02 Sun 1631 (TI)
5435	E10	ART USB 27-05-02 Mon 1632 (TI)
5435	E10	ART USB 27-05-02 Mon 1703 (TI)
5435	E10	ART1 USB 27-05-02 Mon 1731 (TI)
5435	E10	ART USB 27-05-02 Mon 1802 (TI)
5435	E10	ART USB 31-05-02 Fri 1803 (TI)
5435	E10	USB 08-06-02 Sat 1646 (TI)
5435	E10	ART USB 08-06-02 Sat 1702 (TI)
5435	E10	ART USB 08-06-02 Sat 1802 (TI)
5435	E10	ART USB 09-06-02 Sun 1632 (TI)
5435	E10	ART USB 15-06-02 Sat 1632 (TI)
5435	E10	ART2 //6986 USB 15-06-02 Sat 1902 (TI)
5435	E10	Israeli Intel. ART AM 23-06-02 Sun 2130 (AB)

5435	E10	Israeli Intel. ART AM 27-06-02 Thu 2300 (AB)
5435	E10	Israeli Intel. ART AM 30-06-02 Sun 1900 (AB)
5465	MX	Channel marker R, Izhevsk CW 29-06-02 Sat 2059 (AB)
5474	M45	074 weak CW 11-06-02 Tue 1702 (HFD)
5585	M40	vvv cq796,31t (R5) vvv cq31t cq31t cq31t CW 24-05-02 1600 (IB)
5758.0	M08a	ID 43192 01472 53841 CW 02-06-02 Sun 0200 (MS)
5758.0	M08a	ID 85911 35151 42692 CW 05-06-02 Wed 0200 (MS)
5758.0	M08a	ID ----- 66864 21644 CW 05-06-02 Wed 0500 (MS)
5758.0	M08a	ID 08902 98883 83171 CW 09-06-02 Sun 0200 (MS)
5762.0	V02a	(in progress - missed callup) YL/SS AM 01-06-02 Sat 0200 (MS)
5762.0	V02a	(in progress - missed callup) YL/SS AM 01-06-02 Sat 0400 (MS)
5762.0	V02a	ID 85432 54143 59592 (YL/SS) USB 08-06-02 Sat 0200
5762.0	V02a	(in progress) ----- 53892 (YL/SS) USB 08-06-02 Sat 0420 (MS)
5782	M13	346 CW 26-06-02 Wed 2100 (HFD)
5800.0	V02a	AM 03-06-02 Mon 0300 (WK)
5810	M29	vvv CW 17-06-02 Mon 0600 (HFD)
5820	E10	YHF USB 26-05-02 Sun 1632 (TI)
5820	E10	YHF USB 27-05-02 Mon 1632 (TI)
5820	E10	YHF //10648 USB 27-05-02 Mon 1803 (TI)
5820	E10	YHF //7918 10648 USB 31-05-02 Fri 1803 (TI)
5820	E10	USB 08-06-02 Sat 1647 (TI)
5820	E10	YHF //7918 10648 USB 08-06-02 Sat 1803 (TI)
5820	E10	YHF USB 15-06-02 Sat 1632 (TI)
5820	E10	YHF USB 15-06-02 Sat 1902 (TI)
5820	E10	Israeli Intel. YHF2 AM 23-06-02 Sun 2130 (AB)
5860.0	M10	555x3 313x3 41 636x3 41 (R5) CW 01-06-02 Sat 0400 (MS)
5860.0	M10	555x3 313x3 41 636x3 41 (R5) CW 02-06-02 Sun 0400 (MS)
5860.0	M10	555x3 583(?)x3 42 769x3 39 (R5) CW 05-06-02 Wed 0400 (MS)
5860.0	M10	(in progress, 5F groups) CW 08-06-02 Sat 0400 (MS)
5860.0	M10	555x3 363x3 31 833x3 40 (R5) CW 15-06-02 Sat 0400 (MS)
5860.0	M10	555x3 363x3 31 833x3 40 (R5) CW 16-06-02 Sun 0400 (MS)
5860.0	M10	555x3 388x3 3. 6..x3 20 (R5) (very weak xmsn, copy not reliable) CW 25-06-02 Tue 0400 (MS)
5918	M13	411 CW 01-06-02 Sat 2030 (HFD)
5918	M13	411 CW 15-06-02 Sat 2030 (HFD)
5918	M13	411 CW 16-06-02 Sun 2030 (HFD)
5925	M13	378 CW 01-06-02 Sat 2100 (HFD)
6210	E10	Israeli Intel. FDU1 AM 05-06-02 Wed 1652 (MG)
6210	E10	Israeli Intel. FDU2 AM 06-06-02 Tue 1608 (MG)
6210	E10	Israeli Intel. FDU5 AM 06-06-02 Tue 1702 (MG)
6210	E10	Israeli Intel. FDUK AM 01-07-02 Mon 1750 (TI)
6212.0	M13	378 (R5) BT 248 20 BT CW 16-06-02 Sun 0300 (MS)
6270	E10	ULX USB 26-05-02 Sun 1632 (TI)

6270	E10	ULX USB 27-05-02 Mon 1633 (TI)
6270	E10	ULX2 //7760 USB 29-05-02 Wed 1603 (TI)
6270	E10	USB 08-06-02 Sat 1647 (TI)
6270	E10	ULX USB 15-06-02 Sat 1632 (TI)
6270	E10	USB 15-06-02 Sat 1848 (TI)
6270	E10	Israeli Intel. ULX AM 27-06-02 Thu 2300 (AB)
6270	E10	Israeli Intel. ULX AM 30-06-02 Sun 1830 (AB)
6370	E10	MIW2 //7445 USB 26-05-02 Sun 1618 (TI)
6370	E10	MIW2 //7445 USB 27-05-02 Mon 1717 (TI)
6370	E10	MIW2 //7445 USB 27-05-02 Mon 1817 (TI)
6370	E10	MIW2 //7445 USB 31-05-02 Fri 1818 (TI)
6370	E10	MIW2 //7445 USB 08-06-02 Sat 1817 (TI)
6370	E10	MIW2 USB 12-06-02 Wed 1617 (TI)
6416.5	XSL	Slot Machine (RF)
6428	E10	ABC USB 24-05-02 Fri 1834 (TI)
6428	E10	ABC USB 26-05-02 Sun 1613 (TI)
6428	E10	ABC USB 26-05-02 Sun 2047 (TI)
6428	E10	ABC USB 27-05-02 Mon 1553 (TI)
6428	E10	ABC USB 27-05-02 Mon 1742 (TI)
6428	E10	ABC USB 27-05-02 Mon 2039 (TI)
6428	E10	ABC USB 28-05-02 Tue 1646 (TI)
6428	E10	ABC USB 28-05-02 Tue 2055 (TI)
6428	E10	ABC USB 29-05-02 Wed 1552 (TI)
6428	E10	ABC USB 30-05-02 Thu 1553 (TI)
6428	E10	ABC USB 31-05-02 Fri 1601 (TI)
6428	E10	ABC USB 01-06-02 Sat 1521 (TI)
6428	E10	ABC USB 02-06-02 Sun 1605 (TI)
6428	E10	ABC USB 03-06-02 Mon 1602 (TI)
6428	E10	Israeli Intel. ABC AM 03-06-02 Mon 2103 (AB)
6428	E10	ABC USB 04-06-02 Tue 1625 (TI)
6428	E10	ABC USB 05-06-02 Wed 1552 (TI)
6428	E10	ABC USB 06-06-02 Thu 1553 (TI)
6428	E10	ABC USB 07-06-02 Fri 1806 (TI)
6428	E10	ABC USB 08-06-02 Sat 1803 (TI)
6428	E10	Israeli Intel. ABC AM 30-06-02 Sun 1845 (AB)
6434	M01	025 weak CW 15-06-02 Sat 1500 (HFD)
6444.5	XSL	Slot Machine (RF)
6445	XSL	USB 27-05-02 Mon 1655 (TI)
6485	E03	52195 //10426 USB 29-05-02 Wed 1603 (TI)
6485	E03	52195 //8464 USB 31-05-02 Fri 1804 (TI)
6485	E03	USB 12-06-02 Wed 1617 (TI)
6485	E03	50426 //8464 USB 15-06-02 Sat 1903 (TI)
6498	E10	PCD2 USB 26-05-02 Sun 1633 (TI)
6498	E10	PCD //8805 USB 27-05-02 Mon 1733 (TI)
6498	E10	PCD //8805 USB 31-05-02 Fri 1733 (TI)
6498	E10	PCD //8805 USB 01-06-02 Sat 1547 (TI)
6498	E10	PCD2 USB 01-06-02 Sat 1603 (TI)
6498	E10	PCD USB 08-06-02 Sat 1633 (TI)

6498	E10	PCD2 USB 08-06-02 Sat 1703 (TI)
6498	E10	PCD USB 09-06-02 Sun 1633 (TI)
6498	E10	PCD USB 16-06-02 Sun 1533 (TI)
6715.0	M13d	303 (R5) BT 267 86 BT CW 01-06-02 Sat 0230 (MS)
6715.0	M13d	303 (R5) BT 267 86 BT CW 02-06-02 Sun 0230 (MS)
6758	S17C	98035 AM 01-06-02 Sat 1250 (HFD)
6758	S17C	87048 AM 15-06-02 Sat 1250 (HFD)
6758	S17C	87048 AM 16-06-02 Sun 1250 (HFD)
6758	S17C	82051 AM 17-06-02 Mon 1250 (HFD)
6758	S17C	12038 AM 18-06-02 Tue 1250 (HFD)
6758	S17C	94054 AM 24-06-02 Mon 1250 (HFD)
6758	S17C	69020 AM 27-06-02 Thu 1250 (HFD)
6758	S17C	95037 AM 28-06-02 Fri 1250 (HFD)
6758	S17C	75040 AM 29-06-02 Sat 1250 (HFD)
6758.0	S17c	"12048" USB 22-06-02 Sat 1250 (SE)
6767		Russian military stations (see morse section) CW
		23-06-02 Sun 0159 (JC5)
6767.0	M08a	(in progress, missed callups) CW 02-06-02 Sun 1200
6767.0	M08a	ID 74591 89643 08903 CW 09-06-02 Sun 1200 (MS)
6780	M01	025-303/32=82278 no EoM CW 30-06-02 Sun 0700 (HFD)
6780.0	M10	555x3 312x3 18 981x3 28 (R5) CW 01-06-02 Sat 0410 (MS)
6780.0	M10	555x3 312x3 18 981x3 28 (R5) CW 02-06-02 Sun 0410 (MS)
6780.0	M10	555x3 312x3 18 981x3 28 (R5) CW 05-06-02 Wed 0410 (MS)
6780.0	M10	555x3 320x3 28 387x3 19 (R5) (repeat of 0210z on
		7380m) CW 08-06-02 Sat 0410 (MS)
6780.0	M10	555x3 320x3 28 387x3 19 (R5) (repeat of 0210z on
		7380m) CW 09-06-02 Sun 0410 (MS)
6780.0	M10	555x3 817x3 33 632x3 19 (R5) CW 15-06-02 Sat 0410 (MS)
6780.0	M10	555x3 817x3 33 632x3 19 (R5) CW 16-06-02 Sun 0410 (MS)
6780.0	M10	555x3 607x3 33 666x3 35 (R5) CW 25-06-02 Tue 0410 (MS)
6796.0	M08a	ID 01472 24956 43192 CW 01-06-02 Sat 1200 (MS)
6796.0	M08a	ID ..741 .3955 064.3 (heavy QRN blocks xmsn badly!) CW
		04-06-02 Tue 6796 (MS)
6796.0	M08a	ID 98883 89642 08902 CW 08-06-02 Sat 1200 (MS)
6797.5	M23	555 for 10 minutes CW 10-06-02 Mon 0500 (RC)
6815	M87	486 486 486 000 000 CW 27-05-02 1500 (IB)
6835	M13	254 CW 20-06-02 Thu 2100 (HFD)
6854.0	M08a	ID 13785 66865 21645 CW 05-06-02 Wed 1200 (MS)
6855.0	V02	loud, rather strong signal USB 02-06-02 Sun 0400 (LE)
6855.0	V02	date correction USB 03-06-02 Mon 0400 (LE)
6855.0	V02a	Very strong on longwire, 9 +10 db. QRM very strong. AM
		03-06-02 Mon 0300 (DPS)
6855.0	V02a	AM 03-06-02 Mon 0300 (WK)
6866.0	M08a	ID 98882 89641 08901 CW 07-06-02 Fri 1200 (MS)
6885	V09	Guangzhou calling AM 26-06-02 1400 (RF)
6912	E10	CI02 //5339 USB 27-05-02 Mon 1645 (TI)
6912	E10	CI02 //5339 USB 27-05-02 Mon 1745 (TI)
6912	E10	CI02 USB 15-06-02 Sat 1545 (TI)

6912	E10	CI02 //5339 USB 15-06-02 Sat 1845 (TI)
6912	E10	CI02 //5339 USB 16-06-02 Sun 1645 (TI)
6912	E10	Israeli Intel. CI02 AM 23-06-02 Sun 1849 (AB)
6912	E10	Israeli Intel. CI02 AM 27-06-02 Thu 2245 (AB)
6912	E10	Israeli Intel. CI02 AM 30-06-02 Sun 1845 (AB)
6930	E10	VLB2 //5170 USB 27-05-02 Mon 1645 (TI)
6930	E10	VLB2 //4015 5170 USB 27-05-02 Mon 1745 (TI)
6930	E10	VLB2 USB 01-06-02 Sat 1545 (TI)
6930	E10	VLB2 //5170 USB 15-06-02 Sat 1845 (TI)
6930	E10	VLB2 //5170 USB 16-06-02 Sun 1645 (TI)
6930	E10	Israeli Intel. VLB2 AM 23-06-02 Sun 1947 (AB)
6930	E10	Israeli Intel. VLB2 AM 25-06-02 Tue 2045 (AB)
6930	E10	Israeli Intel. VLB2 AM 27-06-02 Thu 2245 (AB)
6930	E10	Israeli Intel. VLB2 AM 30-06-02 Sun 1845 (AB)
6932.0	M08a	ID 01472 24956 43192 (repeat of 1200z on 6796m) CW 01-06-02 Sat 1300 (MS)
6932.0	M08a	ID 85911 20071 00241 (repeat of 1200z on 7889m) CW 04-06-02 Tue 1300 (MS)
6952.5	XSL	Slot Machine (RF)
6959	E03	12608 //11545 8464 USB 27-05-02 Mon 1708 (TI)
6959	E03	Lincolnshire Poacher in progress (The first time I've *ever* heard a spy station!) USB 01-06-02 2242 (AJ)
6959.0	E04	Cherry Ripe on an E3 frequency USB 28-06-02 Fri 2000
6970	E05	ip //8110 AM 04-06-02 Tue 2115 (HFD)
6970.0	E05	435, count 210, //8110 USB 18-06-02 Tue 2100 (ASC)
6982.0	M08a	ID 74591 89643 08903 (repeat of 1200z on 6767m) CW 09-06-02 Sun 1300 (MS)
6986	E10	ART2 //5435 USB 15-06-02 Sat 1900 (TI)
6986	E10	Israeli Intel. ART AM 27-06-02 Thu 2300 (AB)
6986	E10	Israeli Intel. ART AM 30-06-02 Sun 1800 (AB)
7038.9	MX	Cluster beacon S, Arkhangel'sk CW 29-06-02 Sat 2029
7358	E10	FTJ1 USB 27-05-02 Mon 1700 (TI)
7380.0	M10	555x3 312x3 18 981x3 28 (R5) CW 01-06-02 Sat 0210 (MS)
7380.0	M10	555x3 312x3 18 981x3 28 (R5) CW 05-06-02 Wed 0210 (MS)
7380.0	M10	555x3 312x3 18 981x3 28 (R5) CW 06-06-02 Thu 0210 (MS)
7380.0	M10	555x3 320x3 28 387x3 19 (R5) CW 07-06-02 Fri 0210 (MS)
7380.0	M10	555x3 320x3 28 387x3 19 (R5) CW 08-06-02 Sat 0210 (MS)
7380.0	M10	555x3 320x3 28 387x3 19 (R5) CW 09-06-02 Sun 0210 (MS)
7380.0	M10	555x3 320x3 28 387x3 19 (R5) CW 10-06-02 Mon 0210 (MS)
7380.0	M10	555x3 817x3 33 632x3 19 (R5) CW 15-06-02 Sat 0210 (MS)
7380.0	M10	555x3 607x3 33 666x3 35 (R5) CW 21-06-02 Fri 0210 (MS)
7380.0	M10	555x3 607x3 33 666x3 35 (R5) CW 24-06-02 Mon 0210 (MS)
7380.0	M10	555x3 607x3 33 666x3 35 (R5) CW 25-06-02 Tue 0210 (MS)
7445	E10	MIW2 //6370 USB 26-05-02 Sun 1616 (TI)
7445	E10	MIW2 //6370 USB 27-05-02 Mon 1715 (TI)
7445	E10	MIW2 //6370 USB 27-05-02 Mon 1815 (TI)
7445	E10	MIW2 //6370 USB 31-05-02 Fri 1815 (TI)
7445	E10	MIW2 //6370 USB 08-06-02 Sat 1815 (TI)

7445	E10	Israeli Intel. MIW2 AM 27-06-02 Thu 2315 (AB)
7519.0	M08a	ID 6589. 99752 67841 CW 03-06-02 Mon 1300 (MS)
7540	E10	JSR //5091 USB 27-05-02 Mon 1701 (TI)
7540	E10	JSR2 USB 29-05-02 Wed 1600 (TI)
7540	E10	USB 01-06-02 Sat 1545 (TI)
7540	E10	JSR2 USB 01-06-02 Sat 1600 (TI)
7540	E10	JSR USB 15-06-02 Sat 1900 (TI)
7540	E10	JSR USB 16-06-02 Sun 1530 (TI)
7540	E10	Israeli Intel. JSR AM 30-06-02 Sun 1900 (AB)
7605	E10	SYN2 USB 27-05-02 Mon 1645 (TI)
7605	E10	SYN2 USB 31-05-02 Fri 1745 (TI)
7605	E10	SYN2 USB 15-06-02 Sat 1846 (TI)
7605	E10	SYN2 USB 16-06-02 Sun 1645 (TI)
7605	E10	Israeli Intel. SYN2 AM 27-06-02 Thu 2245 (AB)
7605	E10	Israeli Intel. SYN2 AM 30-06-02 Sun 1845 (AB)
7657		749 749 749 1 + fast 5FGs CW 14-06-02 Fri 1622 (RGA)
7667.0	M16	VVVx3 8BYx3 072/055/190/208/970 (R20) CW 01-06-02 Sat 0440 (MS)
7667.0	M16	VVVx3 8BYx3 626/992/631/364/533/538 (R20) CW 02-06-02 Sun 0240 (MS)
7667.0	M16	VVVx3 8BYx3 017/976/663/506 (R20) CW 02-06-02 Sun 0340 (MS)
7667.0	M16	VVVx3 8BYx3 561/371/523/960/609 (R20) CW 02-06-02 Sun 0440 (MS)
7667.0	M16	VVVx3 8BYx3 353/561/739/221/960/862 (// freqs on 10248m and 14931m) CW 02-06-02 Sun 0540 (MS)
7667.0	M16	VVVx3 8BYx3 709/433/063 (// freqs on 10248m and 14931m) CW 02-06-02 Sun 0640 (MS)
7760	E10	ULX2 //6270 USB 29-05-02 Wed 1600 (TI)
7760	E10	ULX2 USB 01-06-02 Sat 1532 (TI)
7760	E10	ULX2 USB 01-06-02 Sat 1600 (TI)
7760	E10	ULX2 USB 09-06-02 Sun 1601 (TI)
7760	E10	USB 15-06-02 Sat 1846 (TI)
7760	E10	ULX2 USB 16-06-02 Sun 1531 (TI)
7760	E10	Israeli Intel. ULX AM 30-06-02 Sun 1830 (AB)
7760.0	E10	ULX USB 23-06-02 Sun 0100 (SAP)
7770.0		Continuous sending, Chinese USB 15-06-02 Sat 1400
7770.0		Continuous sending, Chinese USB 15-06-02 Sat 2300
7854.0	M13	254 (R5) BT 223 21 BT CW 05-06-02 Wed 0300 (MS)
7854.0	M13	254 (R5) BT 223 21 BT CW 06-06-02 Thu 0300 (MS)
7863.0	M08a	ID 58973 16141 17061 CW 06-06-02 Thu 0800 (MS)
7889.0	M08a	ID 85911 20071 00241 CW 04-06-02 Tue 1200 (MS)
7918	E10	YHF //10648 USB 29-05-02 Wed 1601 (TI)
7918	E10	YHF //10648 5820 USB 31-05-02 Fri 1801 (TI)
7918	E10	YHF //10648 USB 01-06-02 Sat 1601 (TI)
7918	E10	YHF //10648 5820 USB 08-06-02 Sat 1801 (TI)
7918	E10	YHF //10648 USB 09-06-02 Sun 1601 (TI)
7960.0	M23	310 (R10) CW 09-06-02 Sun 0200 (MS)

7960.0 M23 310 (R10) CW 10-06-02 Mon 0200 (MS)
7976.0 M08a ID ----- 46374 40154 CW 02-06-02 Sun 0800 (MS)
8006 412 412 412 96670 96670 repeated CW 07-06-02 1846
8010.0 M08a ID 93641 16142 17062 CW 07-06-02 Fri 0800 (MS)
8097.0 V02a Extremely clear with handheld set in Wisconsin AM
08-06-02 Sat 0600 (GWI)
8103 M22 4XZ. Israeli navy Haifa. VVV marker CW 30-06-02 Sun
1740 (AB)
8110 E05 ip //6970 AM 04-06-02 Tue 2115 (HFD)
8110.0 E05 435, count 210, //6970 USB 18-06-02 Tue 2100 (ASC)
8136.0 M08a ID 90444 96221 96355 CW 01-06-02 Sat 1100 (MS)
8136.0 M08a ID 01331 96223 11383 CW 08-06-02 Sat 1100 (MS)
8136.0 M08a ID 15053 84613 03751 CW 09-06-02 Sun 1000 (MS)
8175 M13 417 CW 10-06-02 Mon 1900 (HFD)
8175 M13 417 CW 23-06-02 Sun 1900 (HFD)
8175 M13 417 CW 24-06-02 Mon 1900 (HFD)
8247.0 M13a 561x3 000 (R5) BT 220 20 BT CW 10-06-02 Mon 0300 (MS)
8247.0 M13a 561x3 000 (R5) BT 220 20 BT CW 25-06-02 Tue 0300 (MS)
8251 E07 246/000 AM 12-06-02 Wed 0510 (HFD)
8312.5 XSL USB 16-06-02 Sun 1545 (TI)
8313 XSL USB 01-06-02 Sat 1536 (TI)
8321.5 XSL Slot Machine (RF)
8464 E03 12608 //6959 11545 USB 27-05-02 Mon 1716 (TI)
8464 E03 52195 //6485 USB 31-05-02 Fri 1801 (TI)
8464 E03 80871 //10426 11545 USB 09-06-02 Sun 1616 (TI)
8464 E03 50426 //6485 USB 15-06-02 Sat 1901 (TI)
8494 MX Cluster beacon F CW 01-06-02 Sat 1543 (TI)
8494 MX Cluster beacon F CW 16-06-02 Sun 1551 (TI)
8587.5 XSL Slot Machine (RF)
8588 M13 284 CW 21-06-02 Fri 2000 (HFD)
8677.0 M13 284 (R5) BT 213 21 BT CW 08-06-02 Sat 0400 (MS)
8703.5 XSL Slot Machine (RF)
8805 E10 PCD2 USB 27-05-02 Mon 1702 (TI)
8805 E10 PCD //6498 USB 27-05-02 Mon 1731 (TI)
8805 E10 PCD //6498 USB 31-05-02 Fri 1731 (TI)
8805 E10 PCD //6498 USB 01-06-02 Sat 1533 (TI)
9062.0 M08a ID 29172 27031 96355 CW 02-06-02 Sun 0500 (MS)
9064.0 M08a ID ----- 46374 40154 CW 02-06-02 Sun 0700 (MS)
9113.0 M08a (in progress, missed callups) CW 06-06-02 Thu 0700
9130 E10 USB 27-05-02 Mon 1746 (TI)
9130 E10 EZI2 //11565 USB 15-06-02 Sat 1901 (TI)
9130 E10 Israeli Intel. EZI AM 25-06-02 Tue 2045 (AB)
9130 E10 Israeli Intel. EZI AM 30-06-02 Sun 1830 (AB)
9152.0 M08a ID 90444 96221 96355 (repeat of 1100z on 8136m) CW
01-06-02 Sat 1200 (MS)
9152.0 M08a ID 01331 96223 11383 (repeat of 1100z on 8136m) CW
08-06-02 Sat 1200 (MS)
9153 M08a in progress CW 31-05-02 1012 (EW)

9153 M08a in progress CW 31-05-02 1012 (EW)
 9153.0 M08a ID 29174 76161 84611 CW 03-06-02 Mon 1000 (MS)
 9153.0 M08a ID 49072 76163 24741 CW 05-06-02 Wed 1000 (MS)
 9153.0 V02a (in progress) ----- 82772 75593 (YL/SS) USB 08-06-02
 Sat 0700 (MS)
 9153.0 V02a In progress AM 08-06-02 Sat 0700 (GWI)
 9200 X06 FAPSI. Mazielka call AM 27-06-02 Thu 2026 (AB)
 9202 E10 Israeli Intel. YHF AM 30-06-02 Sun 1830 (AB)
 9239.0 M08a ID 29173 35534 96356 CW 02-06-02 Sun 1100 (MS)
 9239.0 M08a ID 49071 76162 99913 CW 04-06-02 Tue 1000 (MS)
 9239.0 M08a ID 15053 84613 03751 (repeat of 1000z on 8136m) CW
 09-06-02 Sun 1100 (MS)
 9244 M42 FAPSI Moscow, 20FGs Baudot 201.68bd 11-06-02 Tue 2053
 (LD0)
 9251 E03 Lincolnshire Poacher in progress USB 24-06-02 Mon 1926
 (JC5)
 9268.0 V02a Weak modulation and heavy jamming/QRM AM 25-06-02 Tue
 0006 (Vambo)
 9275 M13 183 CW 28-06-02 Fri 1500 (HFD)
 9323.0 M08a ID 81941 67831 37005 CW 04-06-02 Tue 1000 (MS)
 9330.0 M08a ID 07275 23732 64262 (repeat of 0400z on 10126m) CW
 01-06-02 Sat 0500 (MS)
 9330.0 M08a ID 86853 68804 53064 CW 03-06-02 Mon 1200 (MS)
 9330.0 M08a ID 58212 27034 76162 CW 05-06-02 Wed 0400 (MS)
 9330.0 M08a ID 26253 77732 51132 CW 08-06-02 Sat 0500 (MS)
 9330.0 M08a ID 21382 19693 55153 CW 09-06-02 Sun 1200 (MS)
 9330.0 M8, Both stations audible. Strong, quiet signal; variable
 V2 audio volume. AM 17-06-02 Mon 0425 (BS2)
 9331.0 M08a ID 38493 19691 55151 CW 07-06-02 Fri 1200 (MS)
 9331.0 V02a Atencion 58561 59202 91983 AM 06-06-02 Thu 0600 (GH)
 9825.0 M13 272 (R5) BT 25. 22 BT CW 18-06-02 Tue 2100 (MS)
 9827 M13 272 CW 18-06-02 Tue 2100 (HFD)
 9963 M13 823/000 CW 25-06-02 Tue 2000 (HFD)
 10046 M22 4XZ Israeli navy Haifa CW 15-06-02 Sat 1605 (TI)
 10046 M22 4XZ. Israeli navy Haifa. VVV marker CW 30-06-02 Sun
 1740 (AB)
 10119.0 M08a ID 58212 27034 76162 (repeat of 0400z on 9330m) CW
 05-06-02 Wed 0500 (MS)
 10125 E11 232/00 AM 27-06-02 Thu 0800 (HFD)
 10125.0 M08a (in progress) ----- 51132 (note: the V2a at
 0200z is silent and the schedu CW 08-06-02 Sat 0418
 10126.0 M08a ID 07275 23732 64262 CW 01-06-02 Sat 0400 (MS)
 10126.0 M08a ID 53562 39043 08293 (repeat of 0800z sked on 11432m)
 CW 06-06-02 Thu 0900 (MS)
 10126.0 M08a ID ----- 11382 (in progress) CW 07-06-02 Fri
 10126.0 V02a In progress at 0317 UTC; ended 0345 with "Final" 3
 times USB 01-06-02 Sat 0317 (BL)
 10126.0 V02a In progress at 0317 UTC; ended 0345 with "Final" 3

times USB 01-06-02 Sat 0317 (BL)
 10126.0 V02a (in progress, missed calls) USB 08-06-02 Sat 0300 (MS)
 10126.0 V02a ID 04333 51432 20972 (YL/SS) (note: this should be an
 M8a sked) USB 08-06-02 Sat 0400 (MS)
 10127.0 M08a ID 29174 76161 84611 (repeat of 1000z on 9153m) CW
 03-06-02 Mon 1100 (MS)
 10127.0 V02 YL SS 5N Groups Attencion Attencion.. Copied at
 10.127MHz AM AM 11-06-02 Tue 0004 (JS2)
 10130.0 Spanish USB 10-06-02 Mon 0330 (MMC)
 10171.9 MX Cluster beacon S, Arkhangelsk CW 29-06-02 Sat 2058
 10235.0 M08a ID 29172 27031 96355 CW 02-06-02 Sun 0400 (MS)
 10235.0 M08a (in progress, missed callups) CW 09-06-02 Sun 0400
 10248.0 M16 VVVx3 8BYx3 353/561/739/221/960/862 (// freqs on
 7667m and 14931m) CW 02-06-02 Sun 0540 (MS)
 10248.0 M16 VVVx3 8BYx3 709/433/063 (// freqs on 7667m and
 14931m) CW 02-06-02 Sun 0640 (MS)
 10248.0 M16 VVVx3 8BYx3 860/912/893/037 (//freq on 14931m) CW
 05-06-02 Wed 0340 (MS)
 10248.0 M16 VVVx3 8BYx3 445/063/308 (// freq on 14931m) CW
 05-06-02 Wed 0440 (MS)
 10248.0 M16 VVVx3 8BYx3 753/673/626 (//freq on 14931m) CW
 06-06-02 Thu 0240 (MS)
 10248.0 M16 VVVx3 8BYx3 594/973/538 (R20) (// freq on 14931m) CW
 08-06-02 Sat 0240 (MS)
 10248.0 M16 VVVx3 8BYx3 893/384/300/122/775/605 (R20) (// freq on
 14931m) CW 08-06-02 Sat 0340 (MS)
 10248.0 M16 VVVx3 8BYx3 505/195/099 (R20) (// freq on 14931m) CW
 08-06-02 Sat 0440 (MS)
 10248.0 M16 VVVx3 8BYx3 906/912/872/116/673/099 (R20) (// freq on
 14931m) CW 08-06-02 Sat 0540 (MS)
 10250.0 M23 310 (R10) (// freq on 11020m) CW 09-06-02 Sun 0100
 10345.0 M08a ID 81941 67831 37005 (repeat of 1000z on 9323 - he got
 off to a late start) CW 04-06-02 Tue 1100 (MS)
 10346.0 M08a ID 26772 34423 37004 CW 01-06-02 Sat 1100 (MS)
 10346.0 M08a ID ----- 11381 (in progress) CW 06-06-02 Thu
 10426 E03 52195 //6485 USB 29-05-02 Wed 1604 (TI)
 10426 E03 80871 //11545 8464 USB 09-06-02 Sun 1605 (TI)
 10445.0 V02 AM 03-06-02 Mon 0300 (WK)
 10446.0 M08a ID 49071 76162 99913 (repeat of 1000z on 9239m) CW
 04-06-02 Tue 1100 (MS)
 10537 M13 746 CW 04-06-02 Tue 2120 (HFD)
 10537 M13 746 CW 18-06-02 Tue 2120 (HFD)
 10537.0 M13 746 (R5) BT (TTY blocks preamble) CW 17-06-02 Mon 2120
 (MS)
 10537.0 M13 746 (R5) BT (TTY blocks preamble) CW 18-06-02 Tue 2120
 (MS)
 10566.0 M08a ID 86853 68804 53064 (repeat of 1200z on 9330m) CW
 03-06-02 Mon 1300 (MS)

10566.0 M08a ID 38493 19691 55151 (repeat of 1200z on 9331m) CW
 07-06-02 Fri 1300 (MS)
 10566.0 M08a ID 21382 19693 55153 (repeat of 1200z on 9330m) CW
 09-06-02 Sun 1300 (MS)
 10600.0 V02a Frequency not exact- analog readout. Weak, even on
 longwire, 3 on S metr. Was 9 AM 03-06-02 Mon 0500
 10648 E10 USB 26-05-02 Sun 1617 (TI)
 10648 E10 YHF //5820 USB 27-05-02 Mon 1801 (TI)
 10648 E10 YHF //7918 USB 29-05-02 Wed 1602 (TI)
 10648 E10 YHF //7918 5820 USB 31-05-02 Fri 1802 (TI)
 10648 E10 YHF //7918 USB 01-06-02 Sat 1602 (TI)
 10648 E10 YHF //7918 5820 USB 08-06-02 Sat 1801 (TI)
 10648 E10 YHF //7918 USB 09-06-02 Sun 1602 (TI)
 10648 E10 USB 12-06-02 Wed 1616 (TI)
 10648 E10 USB 15-06-02 Sat 1847 (TI)
 10648 E10 YHF 77 USB 16-06-02 Sun 1600 (TI)
 10715.0 M08a ID 96222 28871 90445 CW 05-06-02 Wed 1100 (MS)
 10858 M08a in progress CW 13-06-02 Tue 1207 (EW)
 10858.0 M08a ID 86854 65421 30021 CW 04-06-02 Tue 1200 (MS)
 10858.0 M08a ID 38492 65423 30023 CW 06-06-02 Thu 1200 (MS)
 10858.0 M08a ID 21381 19692 55152 CW 08-06-02 Sat 1200 (MS)
 11019 Russian military stations (see morse section) CW
 23-06-02 Sun 1413 (JC5)
 11020.0 M23 310 (R10) (// freq on 10250m) CW 09-06-02 Sun 0100
 11020.0 M23 310 (R10) CW 10-06-02 Mon 0100 (MS)
 11069 M42 FAPSI Moscow, 20FGs Baudot 201.68bd 11-06-02 Tue 2043
 (LDO)
 11170.0 M23 160 (R10) CW 08-06-02 Sat 2000 (MS)
 11420.0 S06 in Progress AM 11-06-02 Tue 1908 (AF)
 11432 M08a in progress CW 16-06-02 Sun (EW)
 11432.0 M08a ID 29174 97201 76161 CW 04-06-02 Tue 0500 (MS)
 11432.0 M08a ID 53562 39043 08293 CW 06-06-02 Thu 0800 (MS)
 11545 E03 12608 //6959 8464 USB 27-05-02 Mon 1709 (TI)
 11545 E03 61486 //13375 USB 01-06-02 Sat 1502 (TI)
 11545 E03 39555 //13375 USB 01-06-02 Sat 1604 (TI)
 11545 E03 90471 //13375 USB 08-06-02 Sat 1806 (TI)
 11545 E03 80871 //10426 8464 USB 09-06-02 Sun 1605 (TI)
 11545 E03 88548 USB 19-06-02 Wed 1501 (TI)
 11545.0 E03 LP, very weak USB 22-06-02 Sat 2100 (SAP)
 11565 E10 EZI //13533 USB 26-05-02 Sun 1631 (TI)
 11565 E10 EZI //13533 USB 27-05-02 Mon 1631 (TI)
 11565 E10 EZI //13533 USB 27-05-02 Mon 1702 (TI)
 11565 E10 EZI //13533 USB 27-05-02 Mon 1802 (TI)
 11565 E10 EZI2 //13533 USB 29-05-02 Wed 1602 (TI)
 11565 E10 EZI //13533 USB 31-05-02 Fri 1802 (TI)
 11565 E10 EZI2 USB 01-06-02 Sat 1602 (TI)
 11565 E10 EZI2 //13533 USB 08-06-02 Sat 1631 (TI)
 11565 E10 EZI //13533 USB 08-06-02 Sat 1701 (TI)

11565 E10 EZI //13533 USB 08-06-02 Sat 1802 (TI)
11565 E10 EZI //13533 USB 09-06-02 Sun 1602 (TI)
11565 E10 EZI2 //13533 USB 09-06-02 Sun 1631 (TI)
11565 E10 EZI2 //13533 USB 15-06-02 Sat 1631 (TI)
11565 E10 EZI2 //9130 USB 15-06-02 Sat 1902 (TI)
11565 E10 EZI 71 //13533 USB 16-06-02 Sun 1630 (TI)
11565 E10 EZI 71 USB 17-06-02 Mon 1630 (TI)
11565 E10 EZI 90 35 USB 17-06-02 Mon 1700 (TI)
11565 E10 EZI 29 29 //13533 USB 19-06-02 Wed 1430 (TI)
11565 E10 EZI2 //13533 USB 19-06-02 Wed 1600 (TI)
11565 E10 EZI 71 71 //13533 USB 19-06-02 Wed 1630 (TI)
11565 E10 EZI 88 ?? USB 19-06-02 Wed 2004 (TI)
11565 E10 Israeli Intel. EZI AM 25-06-02 Tue 2045 (AB)
11565.0 E10 Started jamming about 10 mins. in USB 25-06-02 Tue
0100 (SAP)
11575 V02a Strong signal AM 10-06-02 Mon 0300 (RC)
11612 M13 517 CW 04-06-02 Tue 2000 (HFD)
11612 M13 517 CW 18-06-02 Tue 1900 (HFD)
11612 M13 517 CW 18-06-02 Tue 2000 (HFD)
12000.0 woman speaking numbers in spanish USB 25-06-02 Tue
0003 (MNH)
12000.0 E03 MSG to "95700". Heavy ARQ-E interference began just
after start; deliberate jamm USB 18-06-02 Tue 2100
12093.0 M08a ID 86854 65421 30021 (repeat of 1200z on 10858m) CW
04-06-02 Tue 1300 (MS)
12093.0 M08a ID 38492 65423 30023 (repeat of 1200z sked on 10858m)
CW 06-06-02 Thu 1300 (MS)
12094.0 english female, right on top of BBC World Service, 307
for 5 min, numbers in blo AM 13-06-02 Thu 2145 (MMC)
12094.0 english female, right on top of BBC World Service, 307
for 5 min, numbers in blo USB 20-06-02 Thu 2145 (MMC)
12136.0 M13 458 (R5) BT 213 21 BT CW 10-06-02 Mon 0330 (MS)
12205 E06 378 AM 16-06-02 Sun 1330 (HFD)
12205 E06 ip AM 29-06-02 Sat 1335 (HFD)
12215 V02a in progress AM 28-06-02 0206 (Vambo)
12325.0 M13 261 (R5) BT 257 20 BT CW 16-06-02 Sun 1900 (MS)
12457.0 UDK2 DE UCTS K (repeats about once a minute,
dropped for search-handsent) CW 02-06-02 Sun 0611 (MS)
12550.0 RLK7 DE UAVN K (handsent, calls about once per
minute. Similar to 0611z on 12 CW 02-06-02 Sun 2000
12603 E03 USB 05-06-02 Wed 1719 (TI)
12603.0 E03 "Lincolnshire Poacher" MSG for 39554, 39555, 39557, &
39559. On now. USB 11-06-02 Tue 2100 (BZ)
12603.0 E03 ID=39557 Not bad signal or legibility, but some
digital interference. USB 12-06-02 Wed 2200 (BS2)
12603.0 E03 MSG to "95700". Heavy ARQ-E interference began just
after start; deliberate jamm USB 18-06-02 Tue 2100
13157.0 M13 714 (R5) BT 213 22 BT //very weak signal// CW 13-06-02

		Thu 2000 (MS)
13158	M13	714 CW 27-06-02 Thu 2000 (HFD)
13202.0	E15	Reader was a male. Heavy static and fading. I think this station starts on the h USB 22-06-02 Sat 0014
13256.0	M13	253 (R5) (too weak to get any further copy) CW 06-06-02 Thu 2000 (MS)
13257	M13	253 CW 20-06-02 Thu 2000 (HFD)
13257	M13	253 CW 21-06-02 Thu 2000 (HFD)
13257.9	MX	Cluster beacon S, Arkhangel'sk CW 29-06-02 Sat 2058
13283.0	E06	Was listening to utilities when I stumbled over this english man numbers station USB 08-06-02 Sat 0014
13375	E03	61486 //11545 USB 01-06-02 Sat 1505 (TI)
13375	E03	39555 //11545 USB 01-06-02 Sat 1606 (TI)
13375	E03	90471 //11545 USB 08-06-02 Sat 1808 (TI)
13415	XP	0-msg AM 18-06-02 Tue 2020 (HFD)
13415	XP	0-msg in the background S AM 27-06-02 Thu 2020 (HFD)
13417	XP	0-msg AM 11-06-02 Tue 2020 (HFD)
13447	E07	234/1-2513/29= 46872 AM 05-06-02 Wed 2040 (HFD)
13449	XP	msg AM 11-06-02 Tue 2050 (HFD)
13527	MX	Cluster beacon F CW 05-06-02 Wed 1752 (TI)
13533	E10	EZI //11565 USB 26-05-02 Sun 1632 (TI)
13533	E10	EZI //11565 USB 27-05-02 Mon 1632 (TI)
13533	E10	EZI //11565 USB 27-05-02 Mon 1703 (TI)
13533	E10	EZI USB 27-05-02 Mon 1732 (TI)
13533	E10	EZI //11565 USB 27-05-02 Mon 1803 (TI)
13533	E10	EZI2 //11565 USB 29-05-02 Wed 1602 (TI)
13533	E10	EZI2 USB 31-05-02 Fri 1732 (TI)
13533	E10	EZI //11565 USB 31-05-02 Fri 1802 (TI)
13533	E10	EZI2 //11565 USB 08-06-02 Sat 1632 (TI)
13533	E10	EZI //11565 USB 08-06-02 Sat 1702 (TI)
13533	E10	EZI //11565 USB 08-06-02 Sat 1817 (TI)
13533	E10	EZI //11565 USB 09-06-02 Sun 1602 (TI)
13533	E10	EZI2 //11565 USB 09-06-02 Sun 1632 (TI)
13533	E10	EZI2 //11565 USB 15-06-02 Sat 1632 (TI)
13533	E10	EZI 71 //11565 USB 16-06-02 Sun 1632 (TI)
13533	E10	EZI 29 29 //11565 USB 19-06-02 Wed 1432 (TI)
13533	E10	EZI2 //11565 USB 19-06-02 Wed 1600 (TI)
13533	E10	EZI 71 71 //11565 USB 19-06-02 Wed 1630 (TI)
13533	E10	Israeli Intel. EZI AM 23-06-02 Sun 2130 (AB)
13533	E10	Israeli Intel. EZI AM 30-06-02 Sun 1830 (AB)
14000	E10	ABC USB 08-06-02 Sat 1632 (TI)
14000.0	E10	ABC in progress USB 08-06-02 Sat 1632 (TI)
14108		Russian military stations (see morse section) CW 26-06-02 Wed 0400 (JC5)
14230	M23	310 for 10 mins CW 16-06-02 Sun 1800 (CK)
14389	E07	234/1-2513/29= 46872 AM 05-06-02 Wed 2020 (HFD)
14487	E03	USB 06-06-02 Thu 1817 (TI)
14598	XP	0-msg Wi+1h AM 04-06-02 Mon 2000 (HFD)

14598	XP	0-msg AM 11-06-02 Tue 2000 (HFD)
14598	XP	0-msg AM 18-06-02 Tue 2000 (HFD)
14598	XP	0-msg AM 27-06-02 Thu 2000 (HFD)
14878	XP	msg AM 11-06-02 Tue 2030 (HFD)
14878	XP	0-msg AM 18-06-02 Tue 2030 (HFD)
14930	E06	378 AM 15-06-02 Sat 1230 (HFD)
14930	E06	378 AM 16-06-02 Sun 1230 (HFD)
14930	E06	378-621/49=87792 AM 30-06-02 Sun 1230 (HFD)
14930.0	E06	"378 512 60 12934..." AM 22-06-02 Sat 1230 (SE)
14930.0	E06	repeat of yesterdays tx AM 23-06-02 Sun 1230 (SE)
14931.0	M16	VVVx3 8BYx3 353/561/739/221/960/862 (// freqs on 7667m and 10248m) CW 02-06-02 Sun 0540 (MS)
14931.0	M16	VVVx3 8BYx3 709/433/063 (// freqs on 7667m and 10248m) CW 02-06-02 Sun 0640 (MS)
14931.0	M16	VVVx3 8BYx3 561/364/663 (R20) CW 02-06-02 Sun 2140 (MS)
14931.0	M16	VVVx3 8BYx3 023/384/775/371/663 CW 02-06-02 Sun 2240 (MS)
14931.0	M16	VVVx3 8BYx3 860/912/893/037 (//freq on 10248m) CW 05-06-02 Wed 0340 (MS)
14931.0	M16	VVVx3 8BYx3 445/063/308 (// freq on 10248m) CW 05-06-02 Wed 0440 (MS)
14931.0	M16	VVVx3 8BYx3 753/673/626 (//freq on 10248m) CW 06-06-02 Thu 0240 (MS)
14931.0	M16	VVVx3 8BYx3 594/973/538 (R20) (// freq on 10248m) CW 08-06-02 Sat 0240 (MS)
14931.0	M16	VVVx3 8BYx3 893/384/300/122/775/605 (R20) (// freq on 10248m) CW 08-06-02 Sat 0340 (MS)
14931.0	M16	VVVx3 8BYx3 505/195/099 (R20) (// freq on 10248m) CW 08-06-02 Sat 0440 (MS)
14931.0	M16	VVVx3 8BYx3 906/912/872/116/673/099 (R20) (// freq on 10248m) CW 08-06-02 Sat 0540 (MS)
14931.0	M16	VVVx3 8BYx3 116/837/538 (R20) CW 08-06-02 Sat 2240
15652	E05	351 //16198 USB 12-06-02 Wed 1603 (TI)
15930	XPH	0-msg AM 18-06-02 Tue 1850 (HFD)
16170	XP	0-msg AM 18-06-02 Tue 2010 (HFD)
16198	E05	356 USB 29-05-02 Wed 1606 (TI)
16198	E05	351 USB 01-06-02 Sat 1606 (TI)
16198	E05	351 //15652 USB 12-06-02 Wed 1603 (TI)
16284	E07	234/1-2513/29= 46872 AM 05-06-02 Wed 2000 (HFD)
16331.9	MX	Cluster beacon S, Arkhangelsk CW 29-06-02 Sat 2058
17410	E10	EZI2 USB 16-06-02 Sun 1532 (TI)
17410	E10	EZI2 USB 18-06-02 Tue 1530 (TI)
17410	E10	EZI2 USB 19-06-02 Wed 1530 (TI)
17410	E10	EZI 93 ?? USB 19-06-02 Wed 2100 (TI)
17455	XPH	0-msg AM 18-06-02 Tue 1830 (HFD)
17456	XPH	0-msg AM 29-06-02 Sat 1830 (HFD)
18920	X06	Dep. of State Comms Moscow. Mazielka call AM 31-05-02

1050 (LDO)
 18922 M42 Dep. of State Comms Moscow. Msg on link 90006
 MFSK32/CROWD36 31-05-02 1053 (LDO)
 20436 X06 Dep. of State Comms Moscow. Mazielka call AM 31-05-02
 1038 (LDO)
 21866 E04 Cherry Ripe USB 17-06-02 Mon 2300 (TI)

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